

ABSTRACT OF THE DISCLOSURE
PIN MOUNTED CIRCUIT BOARD RETAINER

A connector for attaching a printed circuit board to other apparatus is formed as a separate connector body with a plurality of pins projecting from one end surface that are attached to the printed circuit board by being secured in vias through the board and a threaded opening at the end surface opposite the one end surface from which the pins project. When a bolt is received in the connector threaded opening and drawn tight to secure the printed circuit board to other apparatus, the stresses and material deformation induced by the securing bolt are isolated from the printed circuit board. Further, the attachment of the pins to the printed circuit board rather than the use of screws extending through holes in the circuit board reduces the size of 'keep out' zones that must be avoided by the wiring paths on each wiring surface of the printed circuit board through which mounting holes extend. Fabrication of the connector and assembly of the connector to the printed circuit board are facilitated by providing a pair of parallel side surfaces on the connector body which can be gripped by a tool. The connector can also be used to electrically insulate or provide a current path by the selection of the polymer that forms the connector body portion.